

Debabrata Chatterjee

List of Publications by Year in descending order

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116
papers

3,284
citations

257450

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118
times ranked

3588
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#	ARTICLE	IF	CITATIONS
1	Oxidoreductase mimicking activity of Ru(edta) complexes in conversion of NAD coenzymes. <i>Polyhedron</i> , 2022, 221, 115872.	2.2	3
2	Ru ^{III} (edta) complexes as molecular redox catalysts in chemical and electrochemical reduction of dioxygen and hydrogen peroxide: inner-sphere versus outer-sphere mechanism. <i>RSC Advances</i> , 2021, 11, 21359-21366.	3.6	7
3	Electrochemistry of Ru(edta) complexes relevant to small molecule transformations: Catalytic implications and challenges. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213773.	18.8	10
4	Reaction mechanisms relevant to the formation and utilization of [Ru(edta)(NO)] complexes in aqueous media. <i>Journal of Inorganic Biochemistry</i> , 2021, 225, 111595.	3.5	6
5	Chemistry of Ru(edta) complexes relevant to oxidoreductase mimicking: a personal perspective. <i>New Journal of Chemistry</i> , 2020, 44, 18972-18979.	2.8	6
6	Inorganic reaction mechanisms. A personal journey. <i>Dalton Transactions</i> , 2020, 49, 4599-4659.	3.3	9
7	Prospect of Ru ^{III} (edta) in Catalysis of Bicarbonate Reduction. <i>Current Catalysis</i> , 2020, 9, 23-31.	0.5	5
8	Electron Transfer Reactions of Ru ^{III} (edta) Containing the N-Heterocyclic Ligand Pyrazine: Kinetic and Mechanistic Studies. <i>Macrocyclics</i> , 2020, 13, 193-200.	0.5	7
9	Ru ^{III} (edta)-mediated interaction of nitrite and sulphide: formation of an N-bonded thionitrous acid (HSNO) complex of Ru ^{III} (edta) in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 15311-15315.	2.8	3
10	Reaction of [Ru ^{III} (EDTA)(H ₂ O/OH)] ²⁺ with bisulfide and persulfide in aqueous solution: kinetic and mechanistic studies. <i>Journal of Coordination Chemistry</i> , 2019, 72, 2904-2915.	2.2	0
11	Ru ^{III} (EDTA) mediated activation of redox signalling molecules. <i>Coordination Chemistry Reviews</i> , 2017, 349, 129-138.	18.8	5
12	An iteratively optimized resolution to hyper redundancy for dissimilarly doped compliant IPMC actuators. <i>Mechatronics</i> , 2017, 46, 154-167.	3.3	2
13	Oxidation of Ru(III)-Bound Thiocyanate with Peroxomonosulfate: Kinetic and Mechanistic Studies. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 117-123.	1.6	0
14	Shape estimation of IPMC actuators in ionic solutions using hyper redundant kinematic modeling. <i>Mechanism and Machine Theory</i> , 2016, 103, 174-188.	4.5	4
15	Formation of [Ru ^{III} (edta)(SNO)] ²⁺ in Ru ^{III} (edta)-Mediated S-Nitrosylation of Bisulfide Ion. <i>Inorganic Chemistry</i> , 2016, 55, 5037-5040.	4.0	15
16	Ru ^{III} -edta (edta ⁴⁻ = ethylenediaminetetraacetate) mediated photocatalytic conversion of bicarbonate to formate over visible light irradiated non-metal doped TiO ₂ semiconductor photocatalysts. <i>RSC Advances</i> , 2016, 6, 63488-63492.	3.6	5
17	[Ru ^{III} (EDTA)(H ₂ O)] ⁺ catalyzed oxidation of biologically important thiols by H ₂ O ₂ . <i>Journal of Coordination Chemistry</i> , 2016, 69, 3417-3423.	2.2	4
18	[Ru ^{III} (EDTA)(H ₂ O)] ⁺ mediated oxidation of cellular thiols by HSO ₅ ⁻ . <i>New Journal of Chemistry</i> , 2016, 40, 9380-9384.	2.8	1

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19	Oxidation of captopril by hydrogen peroxide and peroxomonosulfate ion catalyzed by a ruthenium(III) complex: kinetic and mechanistic studies. <i>Transition Metal Chemistry</i> , 2016, 41, 279-286.	1.4	3
20	Ru(III)(edta) catalyzed hydrogenation of bicarbonate to formate. <i>Journal of Coordination Chemistry</i> , 2016, 69, 650-655.	2.2	12
21	Oxidation of thiourea by peroxomonosulfate ion catalyzed by a ruthenium(III) complex: kinetic and mechanistic studies. <i>Transition Metal Chemistry</i> , 2016, 41, 9-13.	1.4	2
22	Ru(EDTA) mediated partial reduction of O_2 by H_2S . <i>Dalton Transactions</i> , 2015, 44, 7613-7617.	3.3	9
23	Interaction of Ru(III)(EDTA) with cellular thiols and O_2 : biological implications thereof. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3229-3235.	2.2	0
24	Degradation of Methylene Blue by [Ru(III)(hedtra)(H ₂ O)]/H ₂ O ₂ /O ₂ catalytic system. <i>Current Catalysis</i> , 2014, 3, 82-87.		2
25	Direct evidence for catalase activity of [RuV(edta)(O)] ⁺ . <i>Chemical Communications</i> , 2014, 50, 14562-14565.	4.1	9
26	Mechanism of the oxidation of thiosulfate with hydrogen peroxide catalyzed by aqua-ethylenediaminetetraacetatoruthenium(III). <i>Journal of Molecular Catalysis A</i> , 2014, 386, 1-4.	4.8	10
27	Ru(III)(edta) mediated oxidation of azide in the presence of hydrogen peroxide. Azide versus peroxide activation. <i>Dalton Transactions</i> , 2014, 43, 3087-3094.	3.3	8
28	Ru(III)(EDTA) mediated S-nitrosylation of cysteine by nitrite. <i>Dalton Transactions</i> , 2014, 43, 18042-18046.	3.3	7
29	Nitrite reduction mediated by the complex Ru(III)(EDTA). <i>Dalton Transactions</i> , 2014, 43, 13596.	3.3	14
30	Dye sensitization of a large band gap semiconductor by an iron(III) complex. <i>Transition Metal Chemistry</i> , 2014, 39, 641-646.	1.4	7
31	Electrochemical Conversion of Bicarbonate to Formate Mediated by the Complex Ru(III)(edta) (edta ⁴⁻ = ethylenediaminetetraacetate). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5856-5859.	2.0	11
32	Oxidation of thiocyanate with H ₂ O ₂ catalyzed by [Ru(III)(edta)(H ₂ O)] ⁺ . <i>Dalton Transactions</i> , 2013, 42, 10056.	3.3	12
33	Selective oxidation of thiourea with H ₂ O ₂ catalyzed by [Ru(III)(edta)(H ₂ O)] ⁺ : kinetic and mechanistic studies. <i>Dalton Transactions</i> , 2013, 42, 4725.	3.3	22
34	Substrate versus oxidant activation in Ru(III)(edta) catalyzed dye degradation. <i>RSC Advances</i> , 2013, 3, 3606.	3.6	10
35	Binding of aquo-ethylenediaminetetraacetatoruthenium(III) to apo-transferrin. Fluorescence, antiproliferative and in silico studies. <i>Inorganica Chimica Acta</i> , 2013, 404, 1-4.	2.4	4
36	Actuation and Sensing Studies of a Miniaturized Five Fingered Robotic Hand Made with Ion Polymeric Metal Composite (IPMC). <i>Advanced Materials Research</i> , 2013, 740, 492-495.	0.3	5

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37	Mechanism of O-O bond activation and catalysis by Ru(III)-pic complexes (pic = 1,3,5-trisubstituted phenylpicric acid) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	1.5	0
38	Polyaminecarboxylateruthenium(III) complexes on the mosaic of bioinorganic reactions. Kinetic and mechanistic impact. Advances in Inorganic Chemistry, 2012, 64, 183-217.	1.0	6
39	Peroxydisulfate activation by [Ru(III)(tpy)(pic)(H ₂ O)] ⁺ . Kinetic, mechanistic and anti-microbial activity studies. Dalton Transactions, 2012, 41, 2694.	3.3	6
40	Mechanism of O-O bond activation and substrate oxidation by Ru-edta complexes. Journal of Molecular Catalysis A, 2012, 355, 61-68.	4.8	7
41	Redox Reactions of a [Ru(III)(hedtra)(pz)] Complex with Biochemically Important Reductants: Kinetic, Mechanistic and Antimicrobial Studies. European Journal of Inorganic Chemistry, 2012, 2012, 678-683.	2.0	0
42	Effect of sacrificial electron donors on hydrogen generation over visible light-irradiated nonmetal-doped TiO ₂ photocatalysts. Transition Metal Chemistry, 2012, 37, 93-96.	1.4	33
43	Kinetics and mechanism of the reaction of [Ru(III)(tpy)(pic)(H ₂ O)] ⁺ with KHSO ₅ in oxidative cleavage of DNA. Journal of Coordination Chemistry, 2011, 64, 30-37.	2.2	4
44	Kinetics and mechanism of NO production in the Ru(III)-(edta) mediated oxidation of L-arginine with H ₂ O ₂ . Dalton Transactions, 2011, 40, 683-685.	3.3	15
45	Kinetics and mechanism of the [Ru(III)(edta)(H ₂ O)] ⁺ -mediated oxidation of cysteine by H ₂ O ₂ . Dalton Transactions, 2011, 40, 10997.	3.3	22
46	Redox reactions of a Ru(III)-edta complex with thioamino acids. Kinetic and mechanistic studies. Dalton Transactions, 2011, 40, 1302.	3.3	16
47	Remarkably high catalytic activity of the Ru(III)(edta)/H ₂ O ₂ system towards degradation of the azo-dye Orange II. Dalton Transactions, 2011, 40, 10473.	3.3	36
48	Kinetics and mechanism for oxidation of [Ru(III)(edta)(H ₂ O)] ⁺ with peroxydisulfate in aqueous medium. Journal of Coordination Chemistry, 2010, 63, 2598-2604.	2.2	3
49	[Ru(III)(edta)(H ₂ O)] ⁺ -mediated oxidation of hydroxyurea with H ₂ O ₂ . Kinetic and mechanistic investigation. Dalton Transactions, 2010, 39, 1695-1698.	3.3	28
50	Effect of excited state redox properties of dye sensitizers on hydrogen production through photo-splitting of water over TiO ₂ photocatalyst. Catalysis Communications, 2010, 11, 336-339.	3.3	59
51	Removal of Some Common Textile Dyes from Aqueous Solution Using Fly Ash. Journal of Chemical & Engineering Data, 2010, 55, 5653-5657.	1.9	21
52	Hydrocarbon Oxidation Catalyzed by [Ru(TDL)(XY)Z] Complexes (TDL=Tridentate Ligand; XY=Bidentate) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742	2.6	9
53	Olefin epoxidation catalyzed by [Ru(III)(TDL)(tmeda)H ₂ O] complexes (TDL=tridentate Schiff-base ligand;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	4.8	12
54	Ru-edta induced cleavage of DNA. Journal of Coordination Chemistry, 2009, 62, 1719-1724.	2.2	5

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55	Kinetics and catalysis of oxidation of phenol by ruthenium(IV)â€œoxo complex. Journal of Molecular Catalysis A, 2008, 282, 124-128.	4.8	14
56	Kinetics of the decoloration of reactive dyes over visible light-irradiated TiO2 semiconductor photocatalyst. Journal of Hazardous Materials, 2008, 156, 435-441.	12.4	69
57	Asymmetric epoxidation of unsaturated hydrocarbons catalyzed by ruthenium complexes. Coordination Chemistry Reviews, 2008, 252, 176-198.	18.8	87
58	Kinetics and mechanism of epoxidation of olefins by a novel ruthenium(IV)-oxo complex. Inorganica Chimica Acta, 2008, 361, 2177-2182.	2.4	19
59	A potential role for protein tyrosine phosphatase inhibition by a Ru(III)â€œedta complex (edta =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	4.1	32
60	Kinetics and mechanism of Oâ€œO bond cleavage in the reaction of [Ru(III)(edta)(H2O)]â€œ with hydroperoxides in aqueous solution. Dalton Transactions, 2008, , 3851.	3.3	21
61	Asymmetric epoxidation of alkenes with tert-butyl hydroperoxide catalyzed by a novel chiral complex of manganese(III) containing a sugar based tridentate Schiff-base ligand. Catalysis Communications, 2007, 8, 1345-1348.	3.3	14
62	Reaction of [Ru(III)(edta)(H2O)]? with H2O2 in aqueous solution. Kinetic and mechanistic investigation. Dalton Transactions, 2007, , 943.	3.3	27
63	Asymmetric epoxidation of alkenes with aqueous t-BuOOH catalyzed by novel chiral complexes of chromium(III) containing tridentate Schiff-base ligands. Journal of Molecular Catalysis A, 2007, 271, 270-276.	4.8	14
64	Synthesis, characterization and reactivity of a novel ruthenium(II) complex containing polypyridyl ligand. Polyhedron, 2007, 26, 178-183.	2.2	26
65	Kinetics and mechanism of the reaction of [Ru(III)(edta)(H2O)]â€œ with HOBr to form an intermediate Ru(VI)â€œO complex in aqueous solution. Dalton Transactions, 2006, , 4691-4695.	3.3	4
66	Oxidation of catechol and l-ascorbic acid by [Ru(III)(tpy)(pic)(OH)]+ (tpy=2,2â€œ6â€œ2,2â€œ3-terpyridine;) Tj ETQq0 0 0 rgBT /Overlock 10 T 1219-1222.	3.9	10
67	Asymmetric epoxidation of alkenes using a mixed-ligand complex of ruthenium(III) containing a sugar-based ligand. Inorganica Chimica Acta, 2006, 359, 1325-1328.	2.4	17
68	[Ru(III)(medtra)(H2O)] (medtra=N-methylethylenediaminetriacetate) complex â€œ A highly efficient NO inhibitor with low toxicity. Inorganica Chimica Acta, 2006, 359, 2285-2290.	2.4	8
69	Visible light assisted photodegradation of halocarbons on the dye modified TiO2 surface using visible light. Solar Energy Materials and Solar Cells, 2006, 90, 1013-1020.	6.2	69
70	Highly efficient asymmetric epoxidation of alkenes with a novel chiral complex of ruthenium(III) containing a sugar based ligand and triphenylphosphines. Journal of Molecular Catalysis A, 2006, 255, 283-289.	4.8	22
71	Simultaneous degradation of non-emissive and emissive dyes on visible light illuminated TiO2 surface. Journal of Molecular Catalysis A, 2006, 260, 264-268.	4.8	17
72	Visible light induced photocatalytic degradation of organic pollutants. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2005, 6, 186-205.	11.6	1,059

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73	Reactivity of [RuIII(hedtra)(H ₂ O)] with thio-amino acids and protease inhibition. <i>Inorganica Chimica Acta</i> , 2005, 358, 2960-2965.	2.4	7
74	Reactivity of chloro(N-methyliminodiacetato)palladium(II) and chloro(pyridyl-2,6-dicarboxylato)palladium(II) complexes with purine based 5â€²-nucleotides and glutathione: antitumor activity of platinum(II)-analogs. <i>Inorganica Chimica Acta</i> , 2005, 358, 2900-2908.	2.4	4
75	Reactivity of [RuIII(pac)(H ₂ O)] (pac=polyaminocarboxylate) complexes with 5â€²-nucleotides and their antitumor activity. <i>Inorganica Chimica Acta</i> , 2005, 358, 2954-2959.	2.4	9
76	Reactivity of polyaminocarboxylatoruthenium(III) complexes with serine and their protease inhibition. <i>Journal of Coordination Chemistry</i> , 2005, 58, 1703-1711.	2.2	3
77	Synthesis and catalytic activity of a novel ruthenium(III) complex containing a sugar-based ligand. <i>Catalysis Communications</i> , 2005, 6, 459-461.	3.3	12
78	Energy-minimized structures and MO levels of catalysts related to [RuO(hpsd)(bpy)] ⁺ that competently hydroxylate benzene (hpsd(2-)=(2-hydroxyphenyl)salicyldiminato). <i>Inorganica Chimica Acta</i> , 2004, 357, 785-796.	2.4	10
79	Oxo-transfer catalysis from t-BuOOH with C-H bond insertion using tridentate Schiff-base-chelate complexes of ruthenium(III). <i>Inorganica Chimica Acta</i> , 2004, 357, 980-990.	2.4	42
80	Evidence of superoxide radical formation in the photodegradation of pesticide on the dye modified TiO ₂ surface using visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 165, 19-23.	3.9	46
81	Synthesis, Characterization and reactivities of Schiff-base complexes of Ruthenium(III). <i>Journal of Coordination Chemistry</i> , 2004, 57, 175-182.	2.2	22
82	Interaction of [RuIII(edta)(H ₂ O)] ^{â€“} with amino acids in aqueous solution. Equilibrium, kinetic and protease inhibition studies Electronic supplementary information (ESI) available: kinetic plots and a scheme showing the reaction between [RuIII(edta)(H ₂ O)] ^{â€“} and cysteine. See http://www.rsc.org/suppdata/dt/b2/b208495n/ . <i>Dalton Transactions</i> , 2003, , 203-209.	3.3	39
83	The substitution mechanism of [RuIII(edta)(H ₂ O)] ^{â€“} with DNA bases, nucleoside and nucleotides in aqueous solution revisited. <i>Dalton Transactions RSC</i> , 2002, , 962.	2.3	23
84	Visible light induced photodegradation of organic pollutants on dye adsorbed TiO ₂ surface. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 153, 199-204.	3.9	157
85	Photoassisted detoxification of organic pollutants on the surface modified TiO ₂ semiconductor particulate system. <i>Catalysis Communications</i> , 2001, 2, 1-3.	3.3	72
86	Adsorption and photocatalysis of colour removal from waste water using flyash and sunlight. <i>Catalysis Communications</i> , 2001, 2, 113-117.	3.3	30
87	Oxidation of benzene with tert-butylhydroperoxide catalyzed by a novel [RuIII(amp)(bipy)(H ₂ O)] ⁺ complex: first report of homogeneously catalyzed oxo-transfer reaction in benzene oxidation. <i>Journal of Molecular Catalysis A</i> , 2001, 165, 295-298.	4.8	40
88	Oxidation of organic substrates catalyzed by novel mixed-ligand manganese(III) complexes. <i>Journal of Molecular Catalysis A</i> , 2001, 169, 41-45.	4.8	10
89	Demineralization of organic pollutants on the dye modified TiO ₂ semiconductor particulate system using visible light. <i>Applied Catalysis B: Environmental</i> , 2001, 33, 119-125.	20.2	173
90	Photocatalytic reduction of hydrazine to ammonia catalysed by [RuIII(edta)(H ₂ O)] ^{â€“} complex in a Pt/TiO ₂ semiconductor particulate system. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 1-3.	4.8	15

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91	Oxidation of organic substrates catalyzed by a novel mixed-ligand [RuIII(app)(pic)(H2O)] ⁺ complex. <i>Inorganic Chemistry Communication</i> , 2000, 3, 640-644.	3.9	13
92	Formation of a mixed-valence Ru(IV)–Fe(II) binuclear complex via the reaction of [RuIII(edta)(H2O)] ³⁻ and [FeIII(CN)6] ³⁻ in aqueous solution. <i>Polyhedron</i> , 2000, 19, 1339-1346.	2.2	4
93	The electron transfer reaction of [RuIII(edta)(pyz)] ³⁻ with sulfite in aqueous solution. <i>Transition Metal Chemistry</i> , 2000, 25, 227-230.	1.4	5
94	Oxidation of Organic Substrates Catalyzed by Novel Mixed-Ligand Chromium(III) Complexes. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 71, 217-222.	0.6	1
95	Homogeneous Catalysis of C-H Bond Activation by a Novel Ruthenium(III)-Complex. <i>Reaction Kinetics and Catalysis Letters</i> , 2000, 70, 147-151.	0.6	8
96	Olefin epoxidation catalysed by Schiff-base complexes of Mn and Ni in heterogenised-homogeneous systems. <i>Journal of Molecular Catalysis A</i> , 1999, 144, 363-367.	4.8	82
97	Kinetics and mechanism of oxo-transfer from pyridine N-oxide to dimethyl sulfide catalysed by [RuIII(edta)(H2O)] ³⁻ complex (edta=ethylenediaminetetraacetate). <i>Journal of Molecular Catalysis A</i> , 1999, 150, 49-52.	4.8	10
98	Redox kinetics and reactivity of heterobinuclear cyano-bridged ethylenediaminetetraacetatoruthenium(III)hexacyanoferrate(II,III) in aqueous solution. <i>Polyhedron</i> , 1999, 18, 1767-1771.	2.2	6
99	Selective oxo-functionalisation of C–H bond with t-BuOOH catalysed by [RuIII(amp)(bipy)Cl] complex (H2amp=N-(hydroxyphenyl)salicyldimine; bipy=2,2'-bipyridyl). <i>Polyhedron</i> , 1999, 18, 2659-2663.	2.2	24
100	Detection of N-3 and N-7-coordinated [RuIII(edta)(5- β -GMP)] ⁴⁻ complexes and the N-1 protonation equilibrium of the RuIII derivative. <i>Inorganica Chimica Acta</i> , 1999, 285, 170-177.	2.4	23
101	Ruthenium(III)-edta type complexes for DNA-metallation. <i>Journal of Chemical Sciences</i> , 1999, 111, 437-442.	1.5	5
102	Properties and reactivities of polyaminopolycarboxylate (pac) complexes of ruthenium. <i>Coordination Chemistry Reviews</i> , 1998, 168, 273-293.	18.8	68
103	Selective air oxidation of dimethyl sulfide to dimethyl sulfoxide catalysed by aminopolycarboxylatoruthenium(III) complex. <i>Journal of Molecular Catalysis A</i> , 1997, 127, 57-60.	4.8	19
104	Interaction of phenylhydrazine with RuIII-EDTA complexes: reduction of phenylhydrazine to ammonia and aniline in aqueous acidic conditions. <i>Polyhedron</i> , 1997, 16, 1235-1240.	2.2	10
105	Electron-transfer reactions in [Ru(edta)(pyz)] ³⁻ (edta = ethylenedinitrilotetraacetate, pyz = pyrazine). <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 4389-4392.	1.1	23
106	KINETICS AND MECHANISM OF SUBSTITUTION OF AQUOETHYLENEDIAMINETETRAACETATORUTHANATE (III) WITH CYSTEINE IN AQUEOUS SOLUTION. <i>Journal of Coordination Chemistry</i> , 1996, 39, 117-122.	2.2	13
107	Reactivity of [RuIII(edta)(H2O)] ³⁻ with nucleic bases, nucleosides and DNA (calf-thymus) in aqueous solution (etda = ethylenediamine-N,N,N',N'-tetraacetate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2497-2501.	1.1	26
108	Catalysis of alkene hydrogenation and oxidation by nickel-saloph complex: A novel bifunctional catalyst. <i>Journal of Chemical Sciences</i> , 1994, 106, 775-775.	1.5	0

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109	Oxidation of tertiary phosphines by molecular oxygen catalysed by Ru(III)-EDTA complex. Electronic effect of phosphine substituent on the oxygen atom transfer reaction; X-ray crystal structure of the complex [Ru(III)(EDTA-H)PPh ₃]. <i>Polyhedron</i> , 1993, 12, 1443-1451.	2.2	13
110	Kinetics and mechanism of the substitution of [(NH ₃) ₅ Ru(III)(edta)Ru(III)(H ₂ O)] ²⁺ + (edta =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td <i>Transactions</i> , 1993, , 1065.	1.1	14
111	Synthesis, kinetics, and physicochemical studies of a new mixed-valent heterobinuclear cyano-bridged ruthenium(III)-iron(II) complex. <i>Inorganic Chemistry</i> , 1993, 32, 4049-4052.	4.0	35
112	Synthesis of the monooxoruthenium(V) complexes containing the aminopolycarboxylic acid ligands EDTA and PDTA and their reactivities in the oxidation of organic substrates. X-ray crystal structures of K[Ru(III)(EDTA-H)Cl].n.2H ₂ O and K[Ru(III)(PDTA-H)Cl].n.0.5H ₂ O. <i>Inorganic Chemistry</i> , 1992, 31, 2711-2718.	4.0	89
113	Kinetics and mechanism of the epoxidation of styrene and substituted styrenes with O ₂ catalysed by [Ru(III)(EDTA)(H ₂ O)] ⁺ . <i>Journal of Molecular Catalysis</i> , 1992, 77, 23-28.	1.2	11
114	Kinetics and mechanism of electron transfer from L-ascorbic acid to ethylenediaminetetraacetatoruthenium(V) oxo complex in aqueous medium. <i>Journal of Molecular Catalysis</i> , 1991, 69, 33-39.	1.2	8
115	Kinetics and mechanisms of oxidation of triphenylphosphine with iodosylbenzene catalyzed by N-hydroxyethylethylenediaminetriacetatoruthenate(III) in water-dioxane medium. <i>Journal of Molecular Catalysis</i> , 1991, 67, 1-6.	1.2	12
116	Solvent effects on the anation of cis-diaquo-bis-ethylenediamine cobalt(III) by L-proline. <i>Transition Metal Chemistry</i> , 1989, 14, 277-282.	1.4	2